

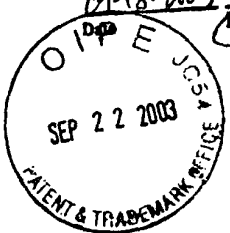
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| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence after initial filing)</i> | Applicati n Number   | 10/646,458              |      |
|  | Filing Date          | 08/22/2003              |      |
|  | First Named Inventor | Kenneth COLLINS, et al. |      |
|  | Group Art Unit       | N/A                     |      |
|  | Examiner Name        | Unknown                 |      |
| Total Number of Pages in This Submission   | 9                    | Attorney Docket Number  | 8401 |

| ENCLOSURES (check all that apply)  |   |  |
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| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
| Remarks  |   |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                                   |
|--|-----------------------------------|
| Firm or Individual name                    | Robert M. Wallace Reg. No. 29,119 |
| Signature                                  |                                   |
| Date                                       | 09/18/2003                        |

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Name



PATENT

Attorney Docket No. 8401  
RW Ref. No. APM/001-02-CP1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Kenneth COLLINS, et al. ) Group Art Unit: Unknown  
)  
Entitled: PLASMA IMMERSION ION ) Examiner: Unknown  
IMPLANTATION APPARATUS INCLUDING A )  
PLASMA SOURCE HAVING LOW DISSOCIATION )  
AND LOW MINIMUM PLASMA VOLTAGE )  
)  
Serial No.: 10/646,458 )  
)  
Filing Date: August 22, 2003 )

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached hereto is Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that these documents be made of record and an initialed copy of each form be returned to the undersigned.

No representation is made that more pertinent material is not available or should not be considered by the Examiner. It is expected that the Patent and Trademark Office will independently conduct a complete search of appropriate art. Furthermore, no admission is being made that these documents are prior art, and applicant reserves the right to challenge any such consideration.

It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures, section 609 and 707.05. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

A copy of each document is enclosed unless indicated otherwise. Some of the documents may have markings on them. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

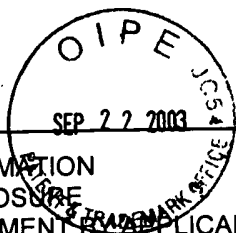
Respectfully submitted,



Robert M. Wallace  
Registration No. 29,119  
Attorney for Applicants

Dated: 09-18-2003

Robert M. Wallace  
Patent Counsel  
2112 Eastman Avenue, Suite 102  
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|   |  |
|---|--|
| INFORMATION<br>DISCLOSURE<br>STATEMENT BY APPLICANT<br><br>Sheet 1 of 6 | Application Number: 10/646,458<br>Filing Date: August 22, 2003<br>First Named Inventor: Kenneth COLLINS, et al.<br>Group Art Unit: Unknown<br>Examiner Name: Unknown<br>Attorney Docket Number: 008401 |
|---|--|

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| Examiner Initials | Document No  | Publication Date | Name of Patentee or Applicant of Cited Document | Class | Subclass | Filing Date |
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| Examiner Initials | Foreign Patent Document | Publication Date | Country | Name of Patentee or Applicant of Cited Document | Translation? (Yes/No/n/a) |
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| Examiner Initials | Document Description   |
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Examiner's Signature: \_\_\_\_\_

Date Considered: \_\_\_\_\_

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SEP 22 2003

INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT

Sheet 2 of 6

Application Number: 10/646,458  
 Filing Date: August 22, 2003  
 First Named Inventor: Kenneth COLLINS, et al.  
 Group Art Unit: Unknown  
 Examiner Name: Unknown  
 Attorney Docket Number: 008401

## U. S. PATENT DOCUMENTS

| Examiner Initials | Document No  | Publication Date | Name of Patentee or Applicant of Cited Document | Class | Subclass | Filing Date |
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|                   | US-4,539,217 | 09-03-1985       | FARLEY  | 427   | 10       | 06-27-1984  |
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| Examiner Initials | Foreign Patent Document | Publication Date | Country | Name of Patentee or Applicant of Cited Document | Translation? (Yes/No/n/a) |
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| Examiner Initials |  |
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SEP 22 2003

INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT

Sheet 3 of 6

Application Number: 10/646,458  
Filing Date: August 22, 2003  
First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: Unknown  
Examiner Name: Unknown  
Attorney Docket Number: 008401

U. S. PATENT DOCUMENTS

| Examiner<br>Initials | Document No  | Publication Date | Name of Patentee or Applicant<br>of Cited Document | Class | Subclass | Filing Date |
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| Examiner<br>Initials | Foreign Patent<br>Document | Publication Date | Country | Name of Patentee or Applicant of Cited<br>Document | Translation?<br>(Yes/No/n/a) |
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NON PATENT LITERATURE DOCUMENTS

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INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT

Sheet 4 of 6

Application Number: 10/646,458  
Filing Date: August 22, 2003  
First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: Unknown  
Examiner Name: Unknown  
Attorney Docket Number: 008401

U. S. PATENT DOCUMENTS

| Examiner<br>Initials | Document No  | Publication Date | Name of Patentee or Applicant<br>of Cited Document | Class | Subclass | Filing Date |
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| Examiner<br>Initials | Foreign Patent<br>Document | Publication Date | Country | Name of Patentee or Applicant of Cited<br>Document | Translation?<br>(Yes/No/n/a) |
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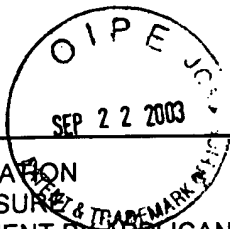
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INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT

Sheet 5 of 6

Application Number: 10/646,458  
Filing Date: August 22, 2003  
First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: Unknown  
Examiner Name: Unknown  
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FOREIGN PATENT DOCUMENTS

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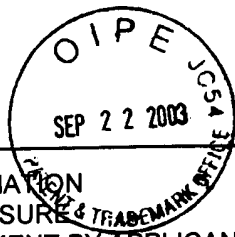
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STATEMENT BY APPLICANT

Sheet 6 of 6

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Filing Date: August 22, 2003  
First Named Inventor: Kenneth COLLINS, et al.  
Group Art Unit: Unknown  
Examiner Name: Unknown  
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|                   | US-6,494,986 B1    | 12-17-2002       | HANAWA ET AL.                                   | 156   | 345.35   | 08-11-2000 |
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Examiner's Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.